

**MONTANA STATE AVIATION SYSTEM PLAN
1995 UPDATE
FIELD INSPECTION FORM**

AIRPORT:	SHELBY (SBX)	AIRPORT REFERENCE CODE:	B-II (SM)
CITY:	SHELBY	APPROACH TYPE:	VISUAL
CONTACT:	JERRY LARSON	DATE INVENTORIED:	1-25-96
PHONE #:	434-2462	INSPECTED BY:	RSD

	REQUIRED	ACTUAL	ALP	CONFORM
RUNWAY 11/29 INVENTORY				
DISTANCE TO:				
HOLD LINES FROM CENTERLINE:	125'	128' & 130'		✓
PARALLEL TAXIWAY FROM CENTERLINE:	150'	240' & 291'		✓
AIRCRAFT PARKING FROM CENTERLINE:	125'	300'+		✓
RUNWAY WIDTH:	60'	60'		✓
RUNWAY LENGTH:	4,940' (1)		3,700'	75%
RUNWAY SAFETY AREA (RSA) WIDTH:	120'	OK		✓
RUNWAY OBJECT FREE AREA (OFA) WIDTH:	250'	OK		✓
PRIMARY / TRANSITION SURFACE PENETRATIONS:	250' W & 7:1	(3)		NO
LONGITUDINAL GRADE - SITE DIST. PROBLEMS:		OK		✓
OBSTACLE FREE ZONE ANALYSIS:	250' W x 200' BEYOND			✓
PAVEMENT EDGE LIP HEIGHT (MIN AND MAX):	1.5" - 3"	FLUSH - 2"		NO (2)
PAVEMENT MARKING TYPE:	BASIC	BASIC		✓
PAVEMENT MARKING CONDITION:		FAIR		N/A
RUNWAY 11 END INVENTORY				
SAFETY AREA (RSA) BEYOND RUNWAY END:	240'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	240'	OK		✓
APPROACH OBSTRUCTIONS:	20:1	NONE		✓
RUNWAY END ELEVATION:			3,411.2	N/A
RUNWAY 29 END INVENTORY				
SAFETY AREA (RSA) BEYOND RUNWAY END:	240'	(3)		NO
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	240'	OK		✓
APPROACH OBSTRUCTIONS:	20:1	NONE		✓
RUNWAY END ELEVATION:			3,424.1	N/A
RUNWAY LIGHTING INVENTORY				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	200'	OK		✓
TYPE:	MIRL - BASE MOUNTED - ADB ALNACO & NATIONAL			N/A
CONDITION:		NEW/GOOD		N/A
COLOR:	WHITE	WHITE		✓
THRESHOLD 11				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	10'		✓
COLOR:	RED/GREEN	RED/GREEN		✓
THRESHOLD 29				
	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	10'		✓
COLOR:	RED/GREEN	RED/GREEN		✓

COMMENTS:

- (1) RW LENGTH OF 3,620' FOR 75%, 4,540 FOR 95% AND 4,940 FOR 100% COVERAGE; ALP ULT OF 3,700' SHOWN ON ALP
(80% OF PRIMARY RUNWAY LENGTH IS 4,000' - DOES NOT CONFORM)
- (2) MOST OF THIS RUNWAY NORTH OF 5/23 IS OK SINCE IT IS A RECENT EXTENSION; SOUTH END EDGES ARE FLUSH
- (3) RISING TERRAIN IN SOUTH CORNER OF RSA; PENETRATES PRIMARY SURFACE

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CONTACT:	JERRY LARSON	DATE INVENTORIED:	1-25-96
PHONE #:	434-2462	INSPECTED BY:	RSD

	REQUIRED	ACTUAL	ALP	CONFORM
RUNWAY 5/23 INVENTORY				
DISTANCE TO:				
HOLD LINES FROM CENTERLINE:	125'	128' & 203'		✓
PARALLEL TAXIWAY FROM CENTERLINE:	240'	587.5		✓
AIRCRAFT PARKING FROM CENTERLINE:	250'	605'		✓
RUNWAY WIDTH:	75'	75'		✓
RUNWAY LENGTH:	4,940'		5,000'	✓
RUNWAY SAFETY AREA (RSA) WIDTH:	150'	OK		✓
RUNWAY OBJECT FREE AREA (OFA) WIDTH:	500'	(1)		NO
PRIMARY / TRANSITION SURFACE PENETRATIONS:	500' W & 7:1	(2) & (3)		NO
LONGITUDINAL GRADE - SITE DIST. PROBLEMS:		OK		✓
OBSTACLE FREE ZONE ANALYSIS:	250' WIDE x 200' BEYOND			(2) & (3)
PAVEMENT EDGE LIP HEIGHT (MIN AND MAX):	1.5" - 3"	FLUSH/1.5"		NO
PAVEMENT MARKING TYPE:	NPI	NPI		OK
PAVEMENT MARKING CONDITION:		FAIR/NEW		N/A
RUNWAY 5 END INVENTORY				
SAFETY AREA (RSA) BEYOND RUNWAY END:	300'	(4)		NO
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	300'	(5)		NO
APPROACH OBSTRUCTIONS:	20:1	NONE		✓
RUNWAY END ELEVATION:			3,411.7	N/A
RUNWAY 23 END INVENTORY				
SAFETY AREA (RSA) BEYOND RUNWAY END:	300'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	300'	OK		✓
APPROACH OBSTRUCTIONS:	20:1	NONE		✓
RUNWAY END ELEVATION:			3438.3	N/A
RUNWAY LIGHTING INVENTORY				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	200'	OK		✓
TYPE:	MIRL - BASE MOUNTED - ABD ALNACO			N/A
CONDITION:		NEW		N/A
COLOR:	WHITE	WHITE		✓
THRESHOLD 5				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	10		✓
COLOR:	RED/GREEN	RED/GREEN		✓
THRESHOLD 23				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	10'		✓
COLOR:	RED/GREEN	RED/GREEN		✓

COMMENTS:

- (1) TWO LARGE ROCKS AND A PIECE OF OLD FARM EQUIPMENT IN OBJECT FREE AREA
- (2) FENCE OUTSIDE OFA PENETRATES TRANS. SURF. 1'-2'; (HAS TO BECAUSE ROAD CAN'T MOVE SOUTH W/O MAJOR EARTHWORK)
- (3) TERRAIN PENETRATES PRIMARY SURFACE, 4' IN WORST AREA, ~ 170' N OF CL, FROM ~300' E OF STUB TW TO ~500' W OF TW
- (4) BAD TRANSITION ONTO PAVEMENT EDGE (DIP)
- (5) FENCE IN OBJECT FREE AREA ON EITHER SIDE OF RUNWAY; BUT LOWER THAN THE RUNWAY, AND IN MOST CASES NOT EVEN VISIBLE FROM THE RUNWAY

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	REQUIRED	ACTUAL	ALP	CONFORM
TAXIWAY INVENTORY				
TAXIWAY WIDTH:	35'	25' - 35' (1)		NO
TAXIWAY SAFETY AREA WIDTH:	79'	OK		✓
TAXIWAY OBJECT FREE AREA WIDTH:	131'	OK		✓
DIST. FROM CENTERLINE TO FIXED OR MOVEABLE OBJ.	65.5'	OK		✓
PAVEMENT EDGE LIP HEIGHT (MIN AND MAX):	1.5" - 3"	FLUSH - 1.5"		NO (2)
PAVEMENT MARKING TYPE:		YELLOW		✓
PAVEMENT MARKING CONDITION:		NEW/FAIR		N/A
TAXIWAY LIGHTING INVENTORY				
DISTANCE FROM PAVEMENT EDGE:	10'	(3) 10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	200'	OK		✓
TYPE:		REFLECTORS (4)		N/A
CONDITION:		GOOD		N/A
COLOR:	BLUE	BLUE (4)		OK

MISCELLANEOUS

TYPE OF BEACON:	MOUNTED ON 50' METAL TOWER, SOUTH OF APRON
SIZE OF BEACON:	12"
OTHER LIGHTING AIDS (VASI,PAPI,REIL):	11 & 23 END: MULTI-ELECTRIC PAPI, GOOD COND, 50' OFF PVMT 5 & 29 END: ADB ALNACO PAPI, NEW, 50' OFF PVMT
WINDCONE (CONDITION & COMPLIANCE):	SOUTH OF RW INTERSECTION ~500', LIGHTED, 25', POOR COND
SEGMENTED CIRCLE (CONDITION & COMPLIANCE):	PLYWOOD PANELS ON METAL FRAMES SEG. CIRCLE IN FAIR COND
WINDCONE (CONDITION & COMPLIANCE):	
SEGMENTED CIRCLE (CONDITION & COMPLIANCE):	
FENCING:	GOOD
SIGNS: (TYPE, CONDITION, PLACEMENT)	NINE LUMACURVE DIRECTIONAL SIGNS ALL IN GOOD CONDITION AND 15' FROM PAVEMENT EDGE

COMMENTS:

- (1) 25' TAXIWAY SERVES ONLY THE B-I RUNWAY 11/29; BUT TWO OF THE THREE 30' TAXIWAYS SERVE THE PRIMARY RUNWAY
- (2) ONLY THE TWO TAXIWAYS INDICATED ON THE DRAWING HAVE FLUSH PVMT EDGES, THE OTHERS ARE ACCEPTABLE
- (3) ALL RUNWAY EXITS HAVE PAIRED BLUE LIGHTS MARKING THEM
- (4) OLDER TAXIWAY SECTIONS HAVE THE OLD "COFFEE CAN" STYLE REFLECTIVE TW MARKERS THAT ARE YELLOW IN COLOR